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OM protein - protein search, using sw model

Run on: April 6, 2005, 06:32:56 ; Search time 28 Seconds  
  Word size : 0   Total number of hits satisfying chosen parameters: 513545  
  Minimum DB seq length: 0   Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :	Issued Patents AA: 1: /cgn2_6/picodata/1/iaa/5A_COMB.pep: 2: /cgn2_6/picodata/1/iaa/5B_COMB.pep: 3: /cgn2_6/picodata/1/iaa/6A_COMB.pep: 4: /cgn2_6/picodata/1/iaa/6B_COMB.pep: 5: /cgn2_6/picodata/1/iaa/PECTUS_COMB.pep: 6: /cgn2_6/picodata/1/iaa/backfiles1.pep: 
	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.   Score   Query Match Length DB ID   Description

Result No.	Score	Query Match	Length	DB ID	Description
1	163	100.0	163	2 US-09-066-074-2	Sequence 2, Appli
2	163	100.0	163	2 US-09-055-912A-2	Sequence 2, Appli
3	163	100.0	163	3 US-09-080-074-4	Sequence 4, Appli
4	163	100.0	163	3 US-08-001-743-4	Sequence 4, Appli
5	163	100.0	163	4 US-09-275-900-2	Sequence 2, Appli
6	163	100.0	168	4 US-09-949-016-8592	Sequence 8, Appli
7	39	23.9	39	2 US-09-066-074-8	Sequence 8, Appli
8	39	23.9	39	2 US-08-055-912A-8	Sequence 8, Appli
9	39	23.9	39	4 US-09-552-40A-33	Sequence 8, Appli
10	39	23.9	39	4 US-09-252-900-8	Sequence 8, Appli
11	21	12.9	31	4 US-09-252-40A-1	Sequence 1, Appli
12	8	4.9	38	3 US-08-630-916A-35	Sequence 32, Appli
13	8	4.9	38	3 US-08-630-916A-36	Sequence 35, Appli
14	8	4.9	404	4 US-08-899-4	Sequence 36, Appli
15	8	4.9	443	2 US-08-935-450-6	Sequence 4, Appli
16	8	4.9	443	4 US-08-952-899-2	Sequence 6, Appli
17	8	4.9	443	4 US-09-38-122-6	Sequence 6, Appli
18	8	4.9	474	4 US-09-774-639-371	Sequence 371, APP
19	8	4.9	683	3 US-08-630-916A-46	Sequence 46, Appli
20	8	4.9	752	4 US-09-919-039-235	Sequence 235, Appli
21	8	4.9	852	2 US-09-070-060-3	Sequence 3, Appli
22	8	4.9	852	3 US-09-357-746-3	Sequence 3, Appli
23	8	4.9	854	2 US-19-070-060-4	Sequence 4, Appli
24	8	4.9	854	3 US-09-357-746-4	Sequence 4, Appli
25	8	4.9	859	4 US-09-107-532A-6829	Sequence 6829, Ap
26	8	4.9	906	3 US-08-630-916A-48	Sequence 48, Appli

## ALIGNMENTS

RESULT 1  
US-09-066-074-2  
; Sequence 2, Application US/09066074  
; Patent No. 5952457

GENERAL INFORMATION:  
APPLICANT: Hunter et al., Tony  
TITLE OF INVENTION: NIMA: INTERACTING PROTEINS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/066,074  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/555,912  
FILING DATE: 13-NOV-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Hille, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07251/011001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 163 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-066-074-2

## Exhibit A

Query Match   Score 163; DB 2; Length 163;  
Best Local Similarity 100.0%; Pred. No. 1.4e-157;  
Matches 163; Conservative 0; Mismatches 0; Indels 0;  
Gaps 0;

Qy 1 MADEKLLPPGKEMRSRSRSGVYIYNHITNASQWERSPGNSSSGGNGCGPARVCNSHL 60  
Db 1 MADEKLLPPGKEMRSRSRSGVYIYNHITNASQWERSPGNSSSGGNGCGPARVCNSHL 60

RESULT 2  
 Qy 61 LVKHQSRRPSWREKTRTKEAELINGYIOKIKSGEEDFESLASOFSDCSSAKARG 120  
 Db 61 LVKHQSRRPSWREKTRTKEAELINGYIOKIKSGEEDFESLASOFSDCSSAKARG 120.  
 Qy 121 DLGAPSRGQNKPPFEDASPLRTGEMSGPYFTDGSJHIIIRTE 163  
 Db 121 DLGAPSRGQNKPPFEDASPLRTGEMSGPYFTDGSJHIIIRTE 163  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/208,804  
 ; FILING DATE: Herewith  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/801,743  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: 36,749  
 ; REFERENCE/DOCKET NUMBER: PP-0217 US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-855-0555  
 ; TELEFAX: 415-845-4166  
 ; TELEX:  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 163 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; IMMEDIATE SOURCE:  
 ; LIBRARY: GenBank  
 ; CLONE: 1332710  
 ; US-09-208-804-4  
 ; Query Match Score 163; DB 3; Length 163;  
 ; Best Local Similarity 100.0%; Pred. No. 1.4e-157; Indels 0; Gaps 0;  
 ; Matches 163; Conservative 0; Mismatches 0;  
 Qy 1 MADBEKLPPGWERKMRSSGRYYFNHTNASQWERTGEMSGPVFTDSGJHIIIRTE 60  
 Db 1 MADBEKLPPGWERKMRSSGRYYFNHTNASQWERTGEMSGPVFTDSGJHIIIRTE 60  
 ; Query Match Score 163; DB 3; Length 163;  
 ; Best Local Similarity 100.0%; Pred. No. 1.4e-157; Indels 0; Gaps 0;  
 ; Matches 163; Conservative 0; Mismatches 0;  
 Qy 1 MADBEKLPPGWERKMRSSGRYYFNHTNASQWERTGEMSGPVFTDSGJHIIIRTE 60  
 Db 1 MADBEKLPPGWERKMRSSGRYYFNHTNASQWERTGEMSGPVFTDSGJHIIIRTE 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible



RESULT 7  
US-09-066-074-8  
Sequence 8, Application US/09066074  
GENERAL INFORMATION:  
APPLICANT: Hunter et al., Tony  
TITLE OF INVENTION: NIMA INTERACTING PROTEINS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/09/066, 074  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/555, 912  
FILING DATE: 13-NOV-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Lisa A.  
REGISTRATION NUMBER: 38, 347  
REFERENCE/DOCKET NUMBER: 07251/011001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5090  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: PIN1/HUMAN  
US-09-066-074-8

Query Match 23.9%; Score 39; DB 2; Length 39;  
Best Local Similarity 100.0%; Pred. No. 3e-32;  
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 9  
US-09-252-404A-33  
Sequence 33, Application US/09252404A  
GENERAL INFORMATION:  
APPLICANT: Kun Ping Lu  
TITLE OF INVENTION: Methods and Compositions for Regulating  
Title of Invention: Protein-Protein Interactions  
FILE REFERENCE: 144-1034-000  
CURRENT APPLICATION NUMBER: US/09/252, 404A  
CURRENT FILING DATE: 1999-02-18  
NUMBER OF SEQ ID NOS: 42  
SOFTWARE: Fast-SEQ for Windows Version 4.0  
SEQ ID NO 33  
LENGTH: 39  
TYPE: PRT  
ORGANISM: Homo sapien  
US-09-252-404A-33

Query Match 23.9%; Score 39; DB 4; Length 39;  
Best Local Similarity 100.0%; Pred. No. 3e-32;  
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 10  
US-03-275-900-8  
Sequence 8, Application US/09275900  
GENERAL INFORMATION:  
APPLICANT: Hunter et al., Tony  
TITLE OF INVENTION: NIMA INTERACTING PROTEINS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

RESULT 12  
US-08-630-916A-32  
Sequence 32, Application US/08630916A  
Patent No. 6011137  
GENERAL INFORMATION  
APPLICANT: Pirozzi, Gregorio  
APPLICANT: Kay, Brian K.  
APPLICANT: Fowlkes, Dana M.  
TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF NOVEL  
TITLE OF INVENTION: POLYPEPTIDES HAVING WW DOMAINS AND METHODS OF USING SAME  
NUMBER OF SEQUENCES: 124  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: United States  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
SOFTWARE: Patentin Release #1.0, Version #1.30  
APPLICATION NUMBER: US/09/275,900  
FILING DATE: 24-Mar-1999  
CLASSIFICATION: <Unknown>  
PRIORITY DATA:  
PRIORITY NUMBER: US 08/555,912  
FILING DATE: 13-NOV-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07251/011001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: PINL/HUMAN  
SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
US-09-275-900-8

Query Match 23.9%; Score 39; DB 4; Length 39;  
Best Local Similarity 100.0%; Pred. No. 3e-32;  
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps - 0;  
Qy 5 EKLPPGKMRSSGRVYTFNITNSQWRSQNSSS 43  
Db 1 EKLPPGKMRSSGRVYTFNITNSQWRSQNSSS 39

RESULT 13  
US-08-630-916A-35  
Sequence 35, Application US/08630916A  
Patent No. 6011137  
GENERAL INFORMATION:  
APPLICANT: Pirozzi, Gregorio  
APPLICANT: Kay, Brian K.  
APPLICANT: Fowlkes, Dana M.  
TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF NOVEL  
TITLE OF INVENTION: POLYPEPTIDES HAVING WW DOMAINS AND METHODS OF USING SAME  
NUMBER OF SEQUENCES: 124  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: United States  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
SOFTWARE: Patentin Release #1.0, Version #1.30  
APPLICATION NUMBER: US/08/630,916A  
FILING DATE: 03-APR-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: MISROCK, S. LESLIE  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 11101-203  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790 9090  
TELEFAX: (212) 896-8864/9741  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 38 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-630-916A-32

Query Match 4.9%; Score 8; DB 3; Length 38;  
Best Local Similarity 100.0%; Pred. No. 0.87;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 7 LPCCWEKR 14  
Db 3 LPCCWEKR 10

RESULT 11  
US-08-252-404A-1  
Sequence 1, Application US/09252404A  
Patent No. 6011136  
GENERAL INFORMATION:  
APPLICANT: Kun Ping Lu  
APPLICANT: Xiao Zhen Zhou  
TITLE OF INVENTION: Methods and Compositions for Regulating  
FILE OF INVENTION: Protein-Protein Interactions  
FILE REFERENCE: 14401034-000  
CURRENT APPLICATION NUMBER: US/09/252,404A  
CURRENT FILING DATE: 1999-02-18  
NUMBER OF SEQ ID NOS: 42  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 1  
LENGTH: 31  
TYPE: PRT  
ORGANISM: Homo sapien  
US-08-252-404A-1

Query Match 12.9%; Score 21; DB 4; Length 31;  
Best Local Similarity 100.0%; Pred. No. 4.6e-14;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 7 LPPGWKRMSSGRVYTFN 27  
Db 1 LPPGWKRMSSGRVYTFN 21

OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/630,916A  
 FILING DATE: 03-APR-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MISROCK, S. LESLIE  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 1101-203  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 896-8864/9741  
 INFORMATION FOR SEQ ID NO: 35:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 38 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-08-630-916A-35

Query Match 4.9%; Score 8; DB 3; Length 38;  
 Best Local Similarity 100.0%; Pred. No. 0.87;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 14  
 Sequence 36, Application US/08630916A  
 Patent No. 6011137  
 GENERAL INFORMATION:  
 APPLICANT: Pirozzi, Gregorio  
 APPLICANT: Kay, Brian K.  
 APPLICANT: Powles, Dana M.  
 TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF NOVEL METHODS OF USING SAME  
 NUMBER OF SEQUNCES: 124  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: United States  
 ZIP: 10036-2711

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/630,916A  
 FILING DATE: 03-APR-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MISROCK, S. LESLIE  
 REGISTRATION NUMBER: 18,872  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 896-8864/9741  
 INFORMATION FOR SEQ ID NO: 36:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 38 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-08-630-916A-36

Query Match 4.9%; Score 8; DB 4; Length 404;  
 Best Local Similarity 100.0%; Pred. No. 7.5%;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 15  
 Sequence 4, Application US/08952899  
 Patent No. 6544948  
 GENERAL INFORMATION:  
 APPLICANT: SCHWEIGHOPFER, Fabien  
 APPLICANT: TOQUE, Bruno  
 TITLE OF INVENTION: DELTA P62, VARIANTS THEREOF, NUCLEIC ACID SEQUENCES AND USES THEREOF  
 NUMBER OF SEQUENCES: 12  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Rhone-Poulenc Rorer Inc.  
 STREET: 500 Arcola Road, Mailstop 3C43  
 CITY: Collegeville  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19426  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/952,899  
 FILING DATE:  
 CLASSIFICATION: 514  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: FR 95/06533  
 FILING DATE: 01-JUN-1995  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/FR95/00802  
 FILING DATE: 29-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Savitzky Esq., Martin F.  
 REGISTRATION NUMBER: 29,659  
 REFERENCE/DOCKET NUMBER: ST95035-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (610) 454-3816  
 TELEX/FAX: (610) 454-3808  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 404 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-952-899-4

Query Match 4.9%; Score 8; DB 4; Length 404;  
 Best Local Similarity 100.0%; Pred. No. 7.5%;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 LPPGWEKR 14  
 Db 3 LPPGWEKR 10

Qy 14 RMSRSSGR 21  
 Db 10 RMSRSSGR 17

search completed: April 6, 2005, 06:38:33  
 Job time : 29 secs